FIG. 1

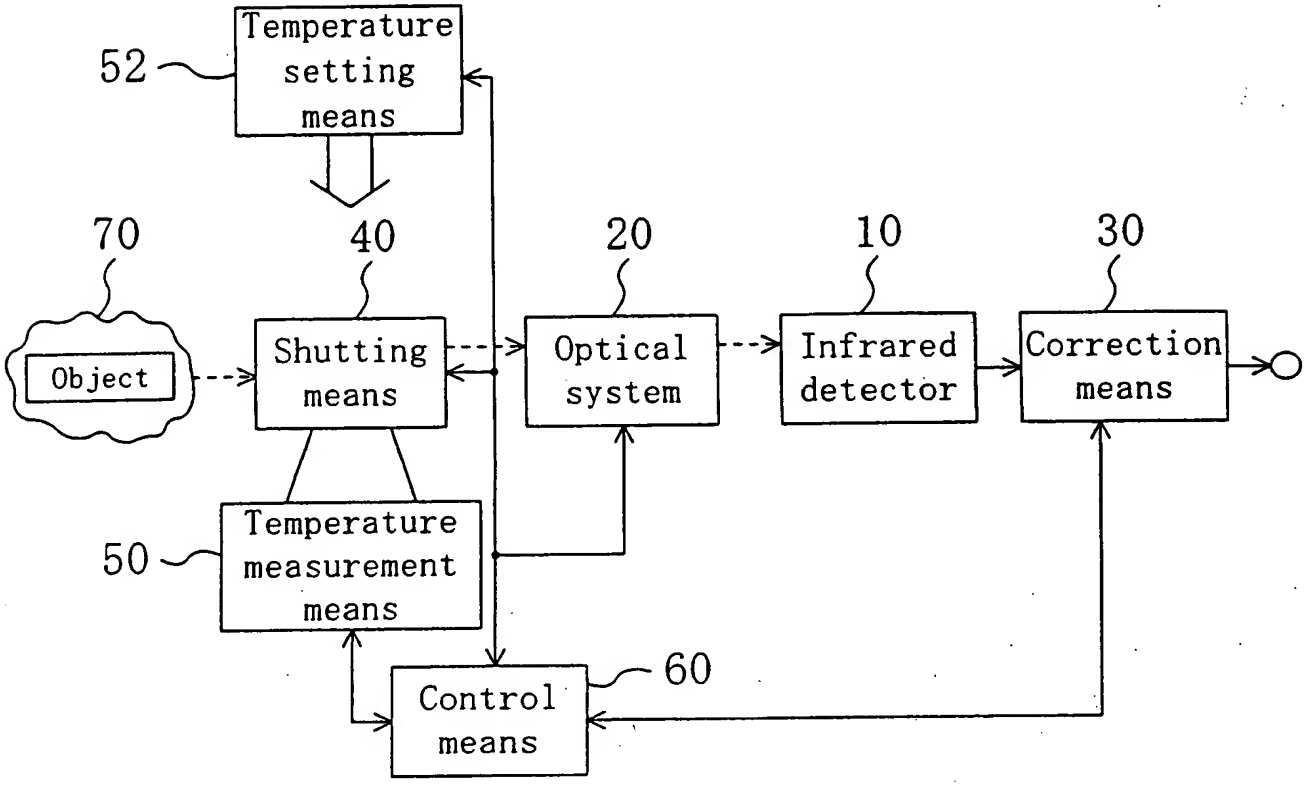

Temperature setting means
52
70
40
20
10
30
Object
Shutting means
Optical system
Infrared detector
Correction means
Temperature measurement means
50
Control means
60

FIG. 2

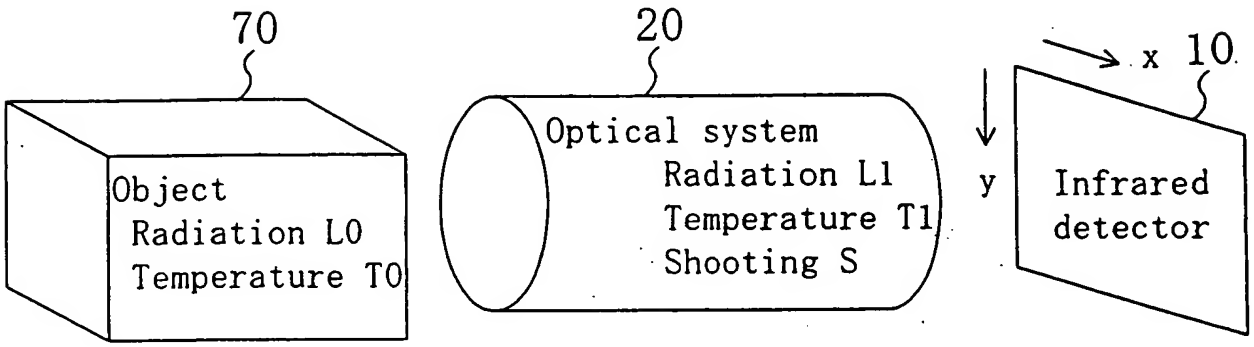

70
Object
Radiation L0
Temperature T0
20
Optical system
Radiation L1
Temperature T1
Shooting S
x
y
10
Infrared
detector

FIG. 3

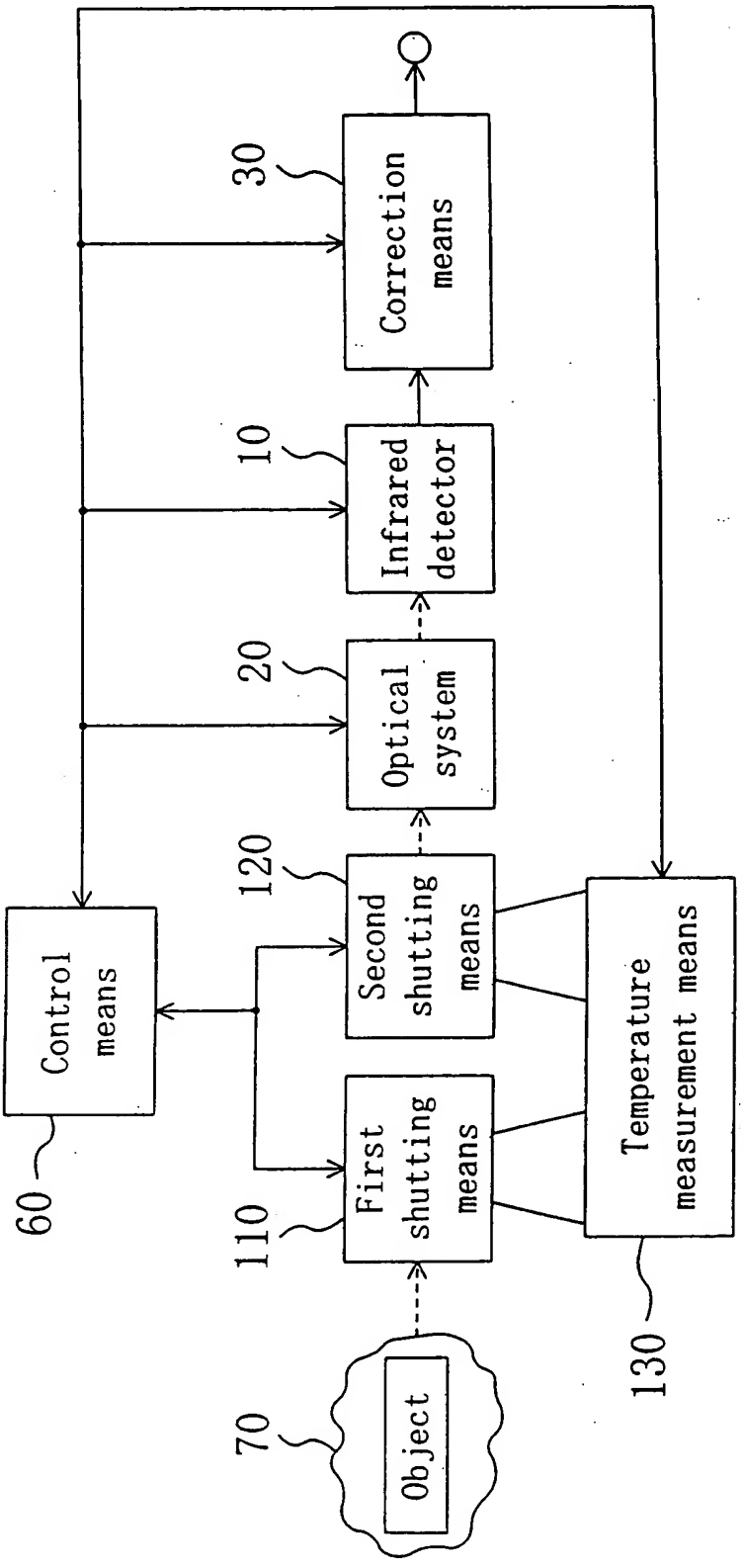

Correction means
30
Infrared detector
10
Optical system
20
Second shutting means
120
First shutting means
110
Temperature measurement means
130
Control means
60
Object
70

FIG. 4A

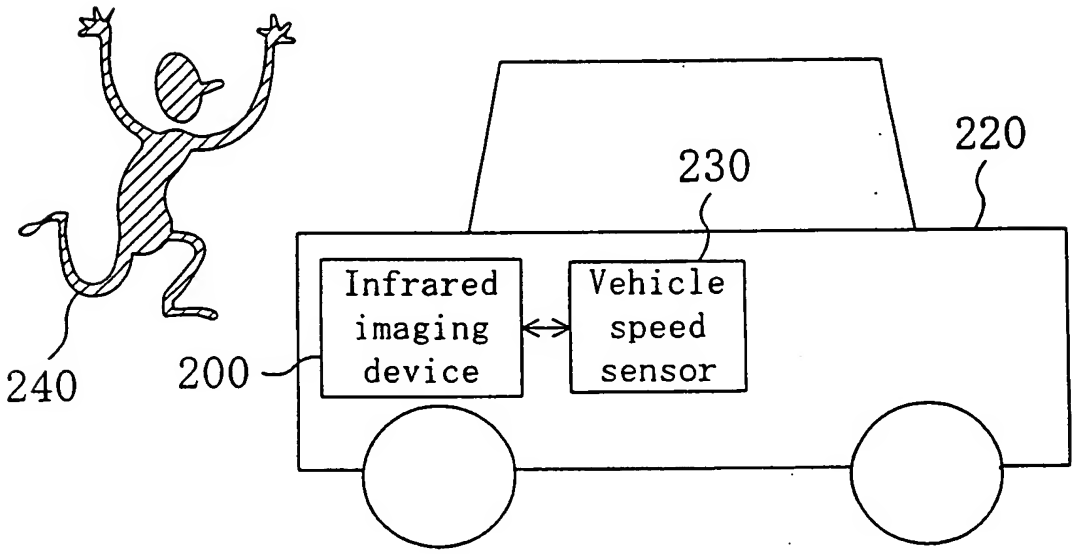

240
200
Infrared imaging device
Vehicle speed sensor
230
220

FIG. 4B

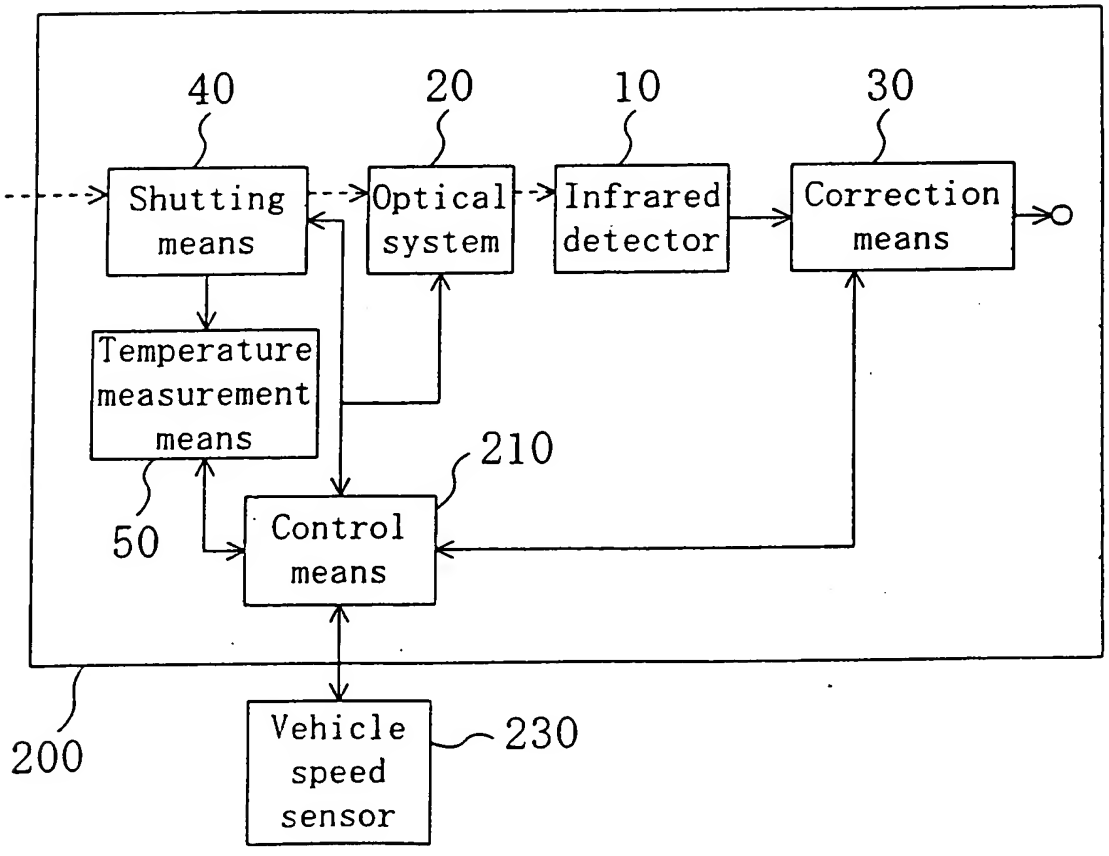

40
20
10
30
Shutting means
Optical system
Infrared detector
Correction means
Temperature measurement means
50
210
Control means
200
Vehicle speed sensor
230

FIG. 5

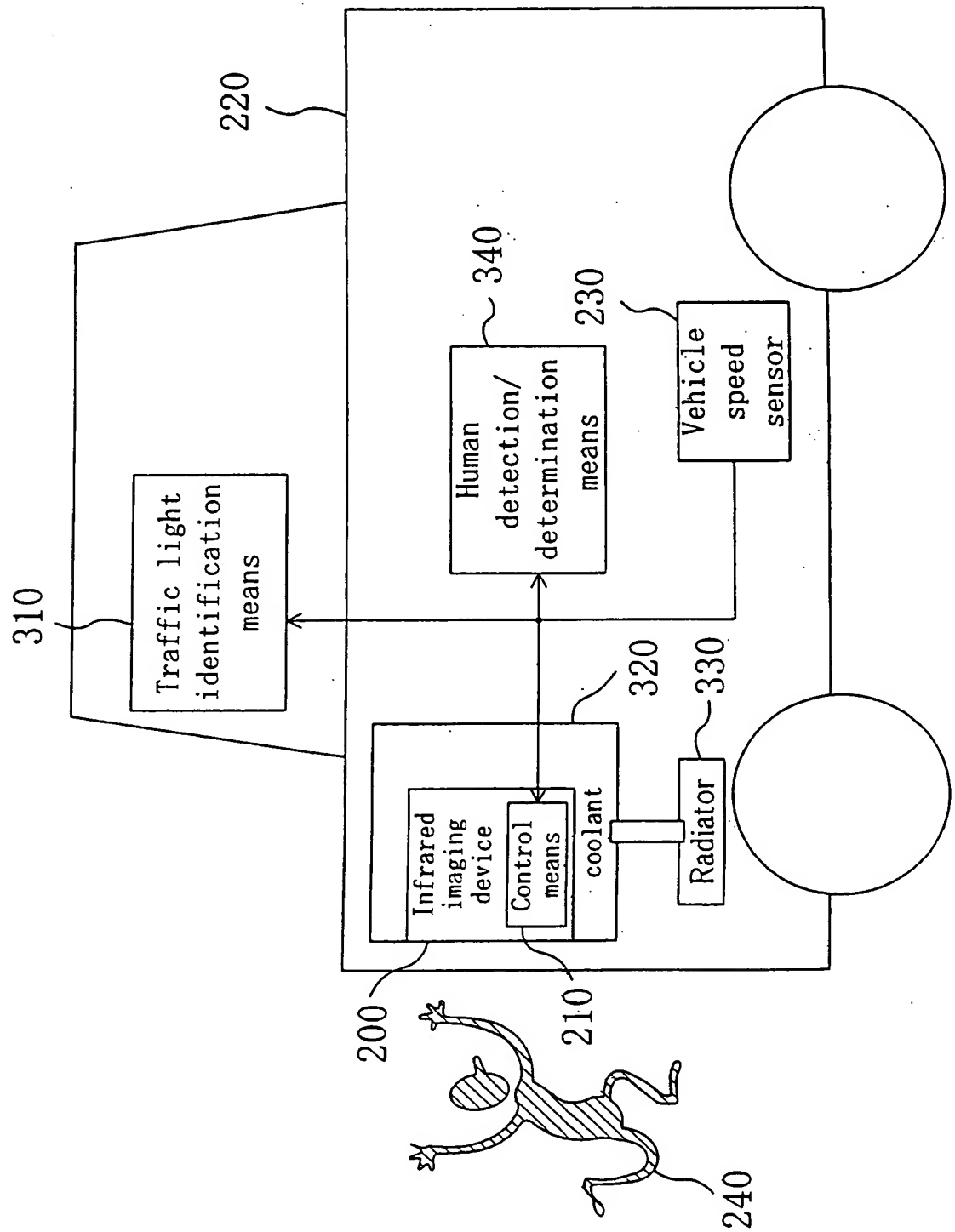

220
340
230
Human detection/ determination means
Vehicle speed sensor
310
Traffic light identification means
320
330
Infrared imaging device
Control means
coolant
Radiator
200
210
240

FIG. 6

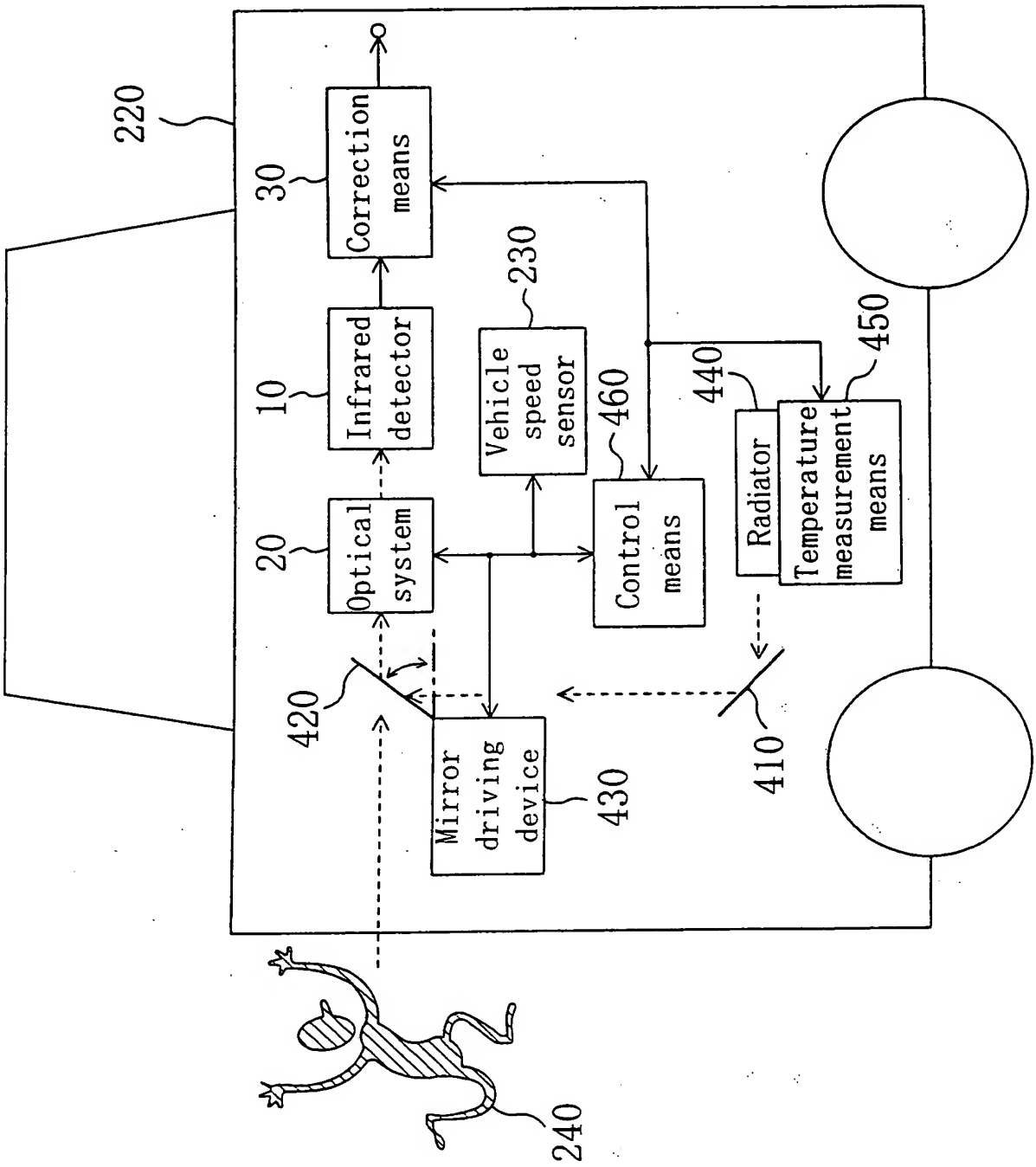

220
30
Correction means
10
Infrared detector
20
Optical system
230
Vehicle speed sensor
460
Control means
440
Radiator
450
Temperature measurement means
420
Mirror driving device
430
410
240

FIG. 7

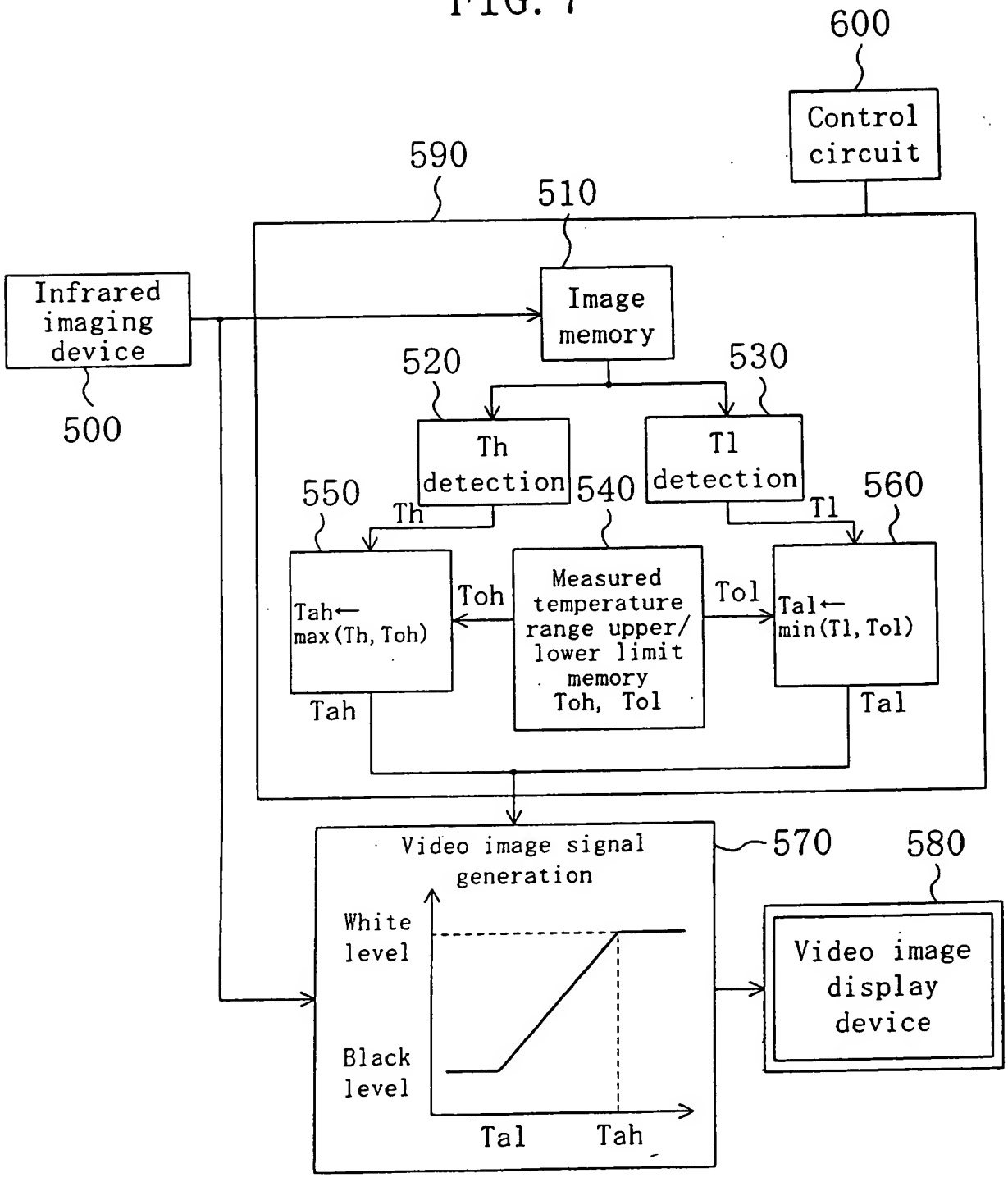
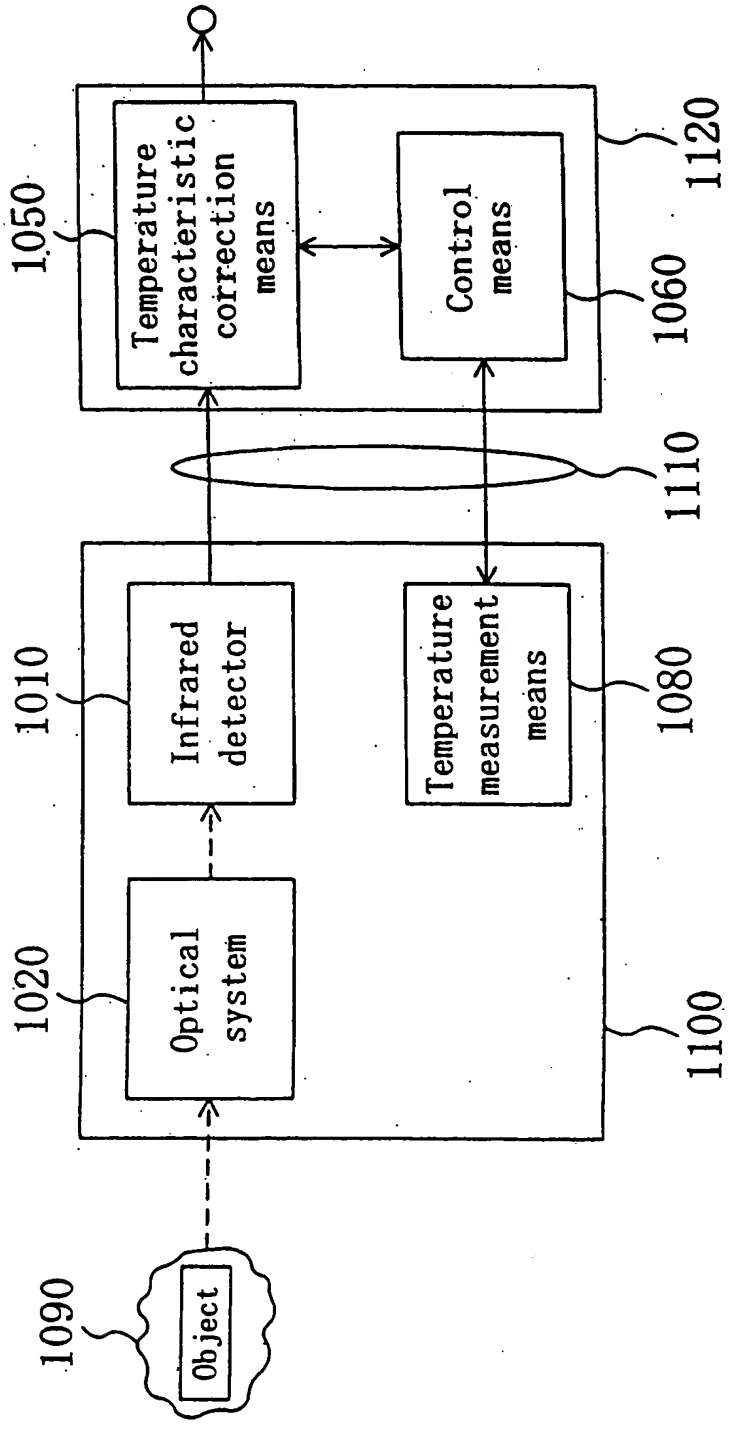
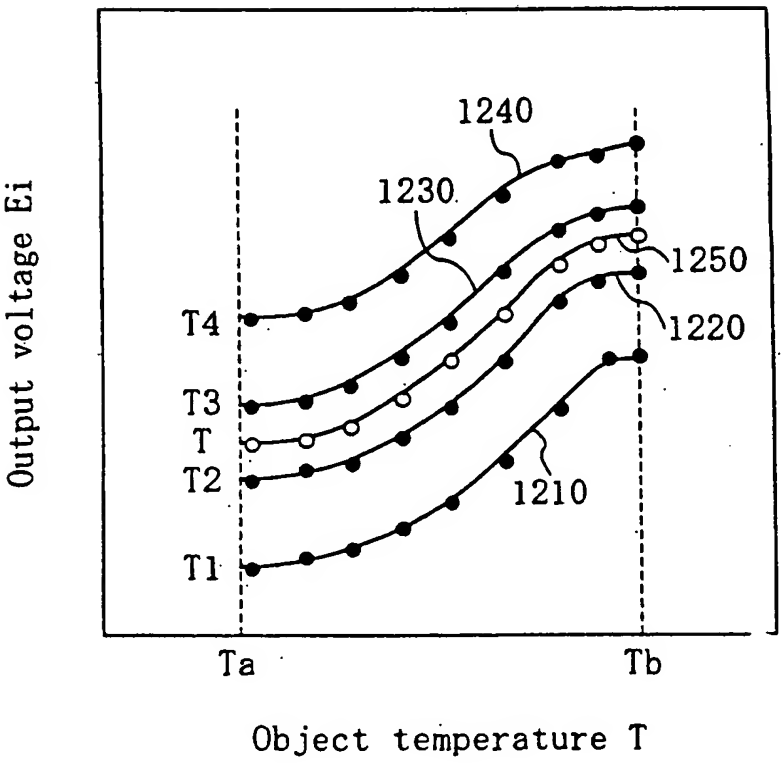

600
Control circuit
590
510
Infrared imaging device
500
Image memory
520
530
Th detection
Tl detection
550
540
560
Th
Tl
Tah← max(Th, Toh)
Toh
Measured temperature range upper/ lower limit memory Toh, Tol
Tol
Tal← min(Tl, Tol)
Tah
Tal
Video image signal generation
570
580
White level
Black level
Tal
Tah
Video image display device

FIG. 8



PRIOR ART

FIG. 9



PRIOR ART

FIG. 10

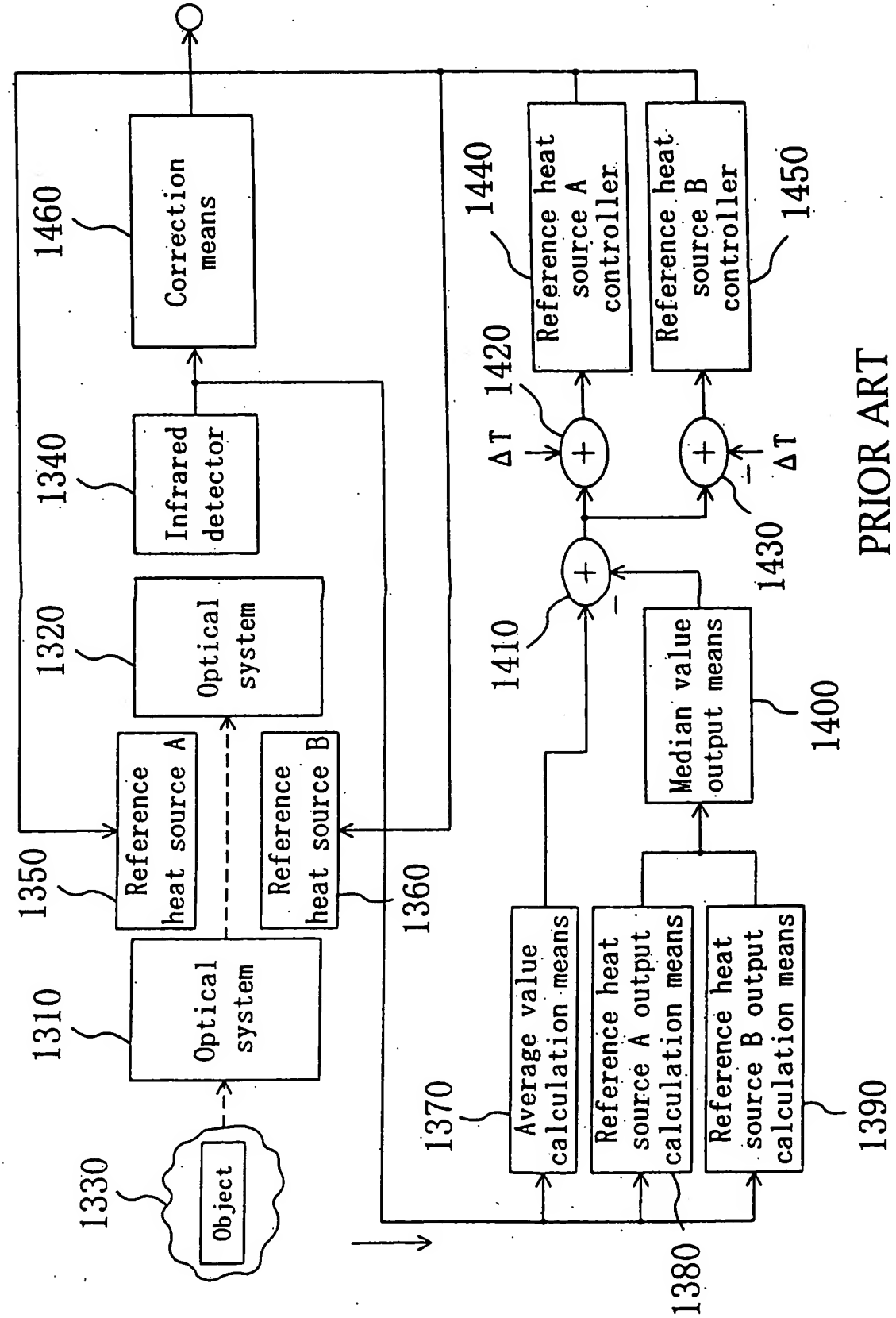
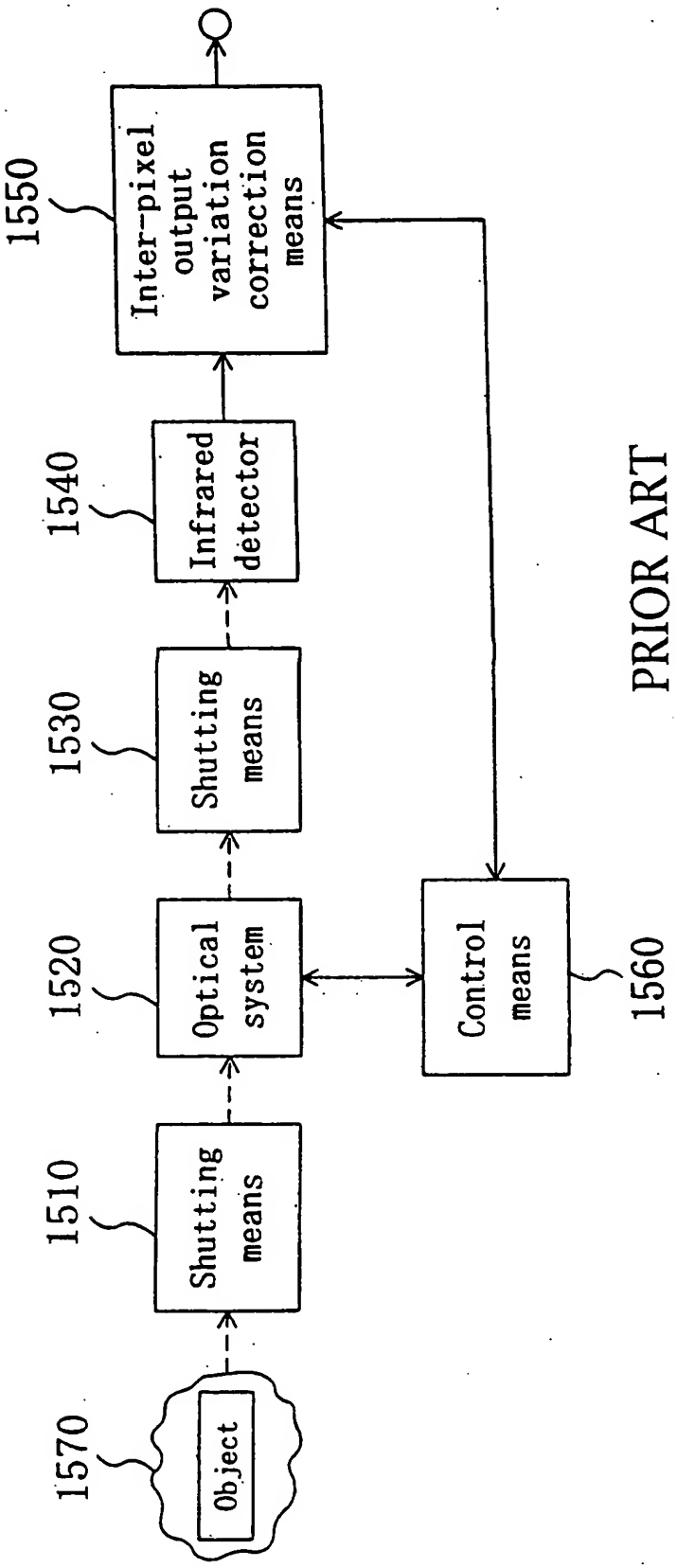

Object
1330
Optical system
1310
Optical system
1320
Infrared detector
1340
Correction means
1460
Reference heat source A
1350
Reference heat source B
1360
Average value calculation means
1370
Reference heat source A output calculation means
Reference heat source B output calculation means
1390
1380
Median value output means
1400
1410
1430
ΔT
1420
Reference heat source A controller
1440
Reference heat source B controller
1450
PRIOR ART

FIG. 11



PRIOR ART